

Vision of Future Transportation

National Renewable Energy Laboratory

Concept - Ahmad Pesaran

Illustration - Dean Armstrong

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High Power ➤

Battery
Advancement

Affordable High Power, Acceptable High Energy ➤

Affordable High Energy ➤

Consumers Asking
for Plug-In
Capabilities

Plug-in
HEVs: Early
Adopters

PHEVs: Major Consumer Adoption
(low-range) (high-range)

Battery Electric Vehicles

Plug-In Hybrid Vehicles

Fuel Cell Vehicles

Hybrid
Electric Vehicles

ICE Vehicles

Electric
Vehicles

HEVs: Early
Adopters

HEVs: Major
Consumer Adoption

Internal Combustion (ICE) Vehicles

Gasoline, Ethanol Blends ➤

Diesel, Biodiesel Blends ➤

B20, Biodiesel ➤

Fuels

E85, Cellulosic Ethanol ➤

Electricity ➤

Hydrogen ➤